



BAHCO

A.-B. B. A. HJORTH & Co. - Stockholm, Sweden

A.-B. B. A. HJORTH & Co.

STOCKHOLM • SWEDEN



MANUFACTURERS OF

BAHCO

TOOLS

First class tools, drop-forged from specially
selected and alloyed Swedish steel.



REG. TRADEMARK

BAHCO

Catalogue No. 1602

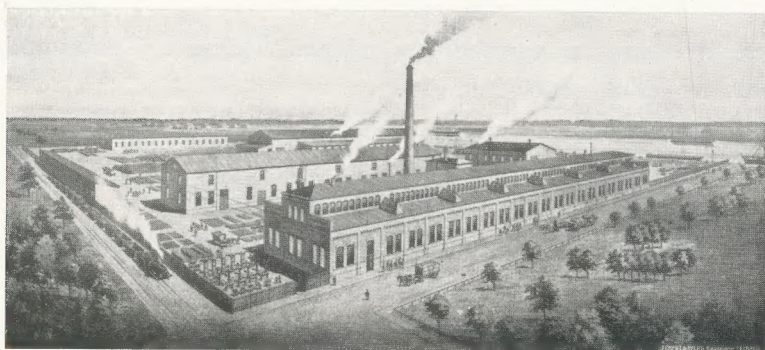
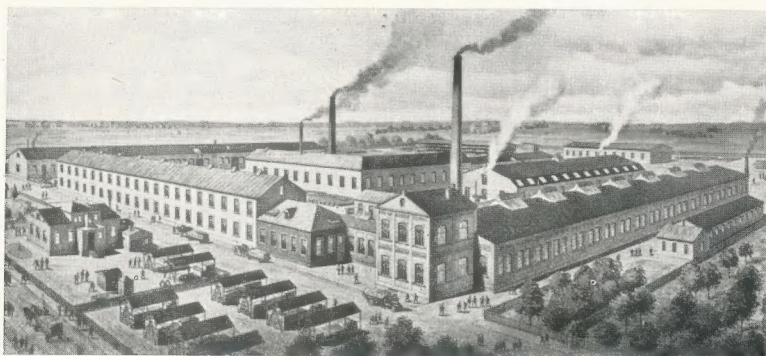
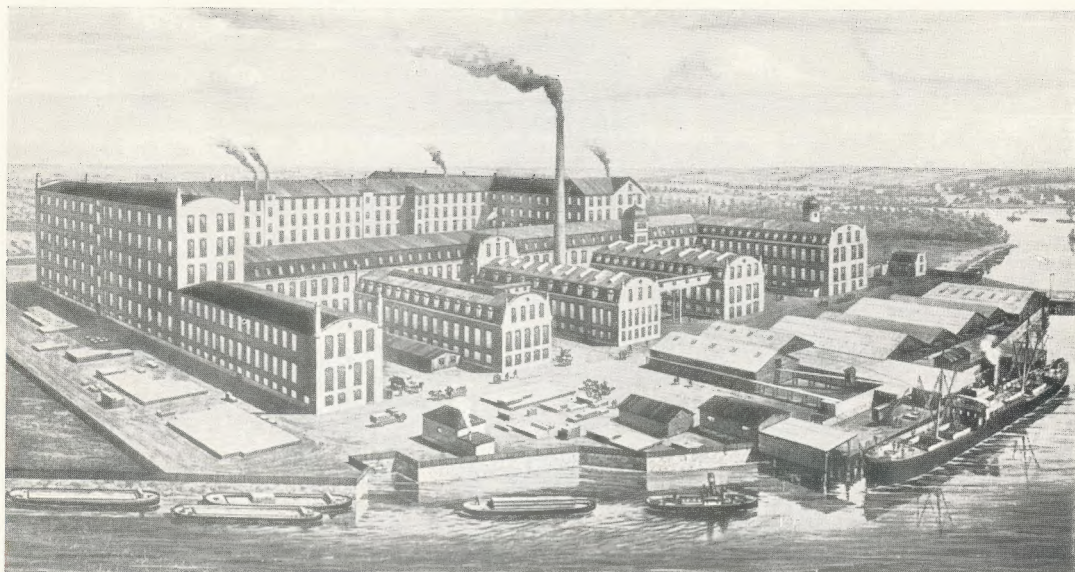
1926—1927



WE GUARANTEE *every article in this catalogue for one year after delivery of goods, and will replace or repair free of cost such parts which are fully proved to have become useless from defective material or workmanship, provided such parts are sent to us free of charge.*

Faults resulting from careless handling, normal wear and tear, etc. are not covered by this guarantee.





OUR WORKS



*E*very BAHCO tool is made of specially selected Swedish steel, drop-forged, specially hardened, and finally submitted to careful control.

No tool is a genuine BAHCO if not stamped

BAHCO



T E R M S .

Goods are delivered f. o. b. Stockholm, if not otherwise stipulated.

Packing is charged extra at cost-price.

Prices and terms of payment are subject to change without notice.

Rights to insure goods reserved.

When ordering, the stipulated code-words, or name and number should always be used.

No order is binding without our written confirmation.

To avoid error, every telegraphic order should be confirmed by letter.

You look for quality when you buy a thing? But now as a rule, quality is no superficial feature—you do not detect it in an article by a mere look. Only by scrutinizing do you discover the “hidden qualities” which, in a set of competitors, really constitute “the winner”.—Will you let us reveal at least some of those “hidden qualities” in the BAHCO tools to you now? A long acquaintance, no doubt, would show them to you. By reading the following description you will learn to know them at once.

THE BAHCO


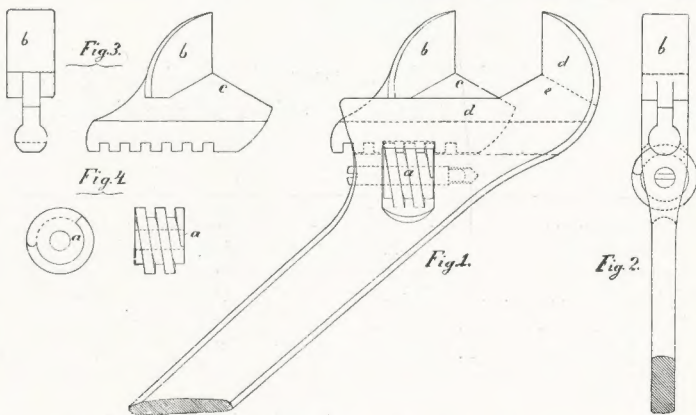
ADJUSTABLE SPANNER

Some lines from its history

The adjustable spanner is one of the most important mechanic's tools we have. It is, so to say, a copy of the human hand, but a copy which beats the original. It combines the “handy” faculty of accommodation of the grip with a strength and

hardness that no human hand ever could be in possession of. No wonder it has become popular!

In fact, the adjustable spanner enjoys such a popularity that nobody nowadays has a sense of curiosity at the sight of this tool. Everybody knows what it is, everybody knows how to use

<p>PATENT  N^o 4066.</p> <p>BESKRIFNING</p> <p>OFFENTLIGGJORD AF KONGL. PATENTBYRÅN.</p> <hr/> <p>J. P. JOHANSSON, ENKÖPING</p> <p>Ställbar skruvnyckel.</p> <p>(Tillägg till patentet N^o 3689.)</p> <p>Patent i Sverige från den 11 maj 1892.</p>	 <p>Fig. 1</p> <p>Fig. 2</p> <p>Fig. 3</p> <p>Fig. 4</p> <p>Till Patentet N^o 4066.</p>
---	---

it. So acquainted are people with it, that if you should happen to ask anybody how long a time man has used such a tool, you would certainly get the answer Always! or something like that—all based upon the idea that a thing so common as an adjustable spanner cannot be but a heritage from our earliest ancestors.

This idea, however, is false. The adjustable spanner is a relatively modern invention. In fact, its originator was a Swedish engineer, J. P. Johansson. More than thirty years ago, in the town of Enköping, he produced an adjustable spanner which is the same in construction to-day as when it was first invented. The Swedish patent letter, of which a facsimile is shown on the preceding page, is dated 1892.

The spanner in question was given the name of the "Enköping Spanner", from the town where it was first made, but this had the disadvantage that everyone in that town who manufactured a similar spanner could use the same title. The "Enköping Spanner" was consequently given another name—

BAHCO

—the trade-mark of A.-B. B. A. Hjorth & Co.,

the owners of the factories. It was under this title and mark that

the original adjustable spanner

gained fame and reputation in every country of the globe.

The original **BAHCO** spanner, shown below, has an angle of 45° between the handle and the jaws.

In addition to this 45° spanner there is also made a BAHCO spanner with an angle of 15° . This angular position of the jaws has been registered.

The 15° spanner (see opposite page) is, both in theory and practice, the most correct and advantageous, for it enables a mechanic to tighten a hexagon nut when there is the minimum space available for the movement of the handle. In other words, a nut placed at an acute angle can be tightened or loosened by a 15° spanner, while other spanners, where the angle is $22\frac{1}{2}^\circ$ or 45° , have no turning room in such a narrow space. (Compare opposite page).

It is also possible to use the 15° spanner as an emergency socket or box spanner, but when used for this special purpose another spanner must be employed to operate it.

More features on page 8.



BAHCO spanner of the original type. Set at 45° angle.

The set of this type comprises the Nos. 81—87.

Number	81	82	83	84	85	86	87
Code=word	Vaegh	Vaehl	Vaeks	Vaemy	Vaepa	Vafan	Vafbi
Span up to..... inch.	1	$1\frac{3}{16}$	$1\frac{5}{16}$	$1\frac{11}{16}$	$2\frac{1}{16}$	$2\frac{3}{8}$	$3\frac{1}{4}$
Length..... »	8	10	12	15	18	24	30
Weight, about lbs	$\frac{9}{16}$	$\frac{15}{16}$	$1\frac{3}{8}$	$2\frac{3}{8}$	$3\frac{3}{4}$	$7\frac{3}{8}$	$13\frac{1}{4}$

Standard packing see page 25

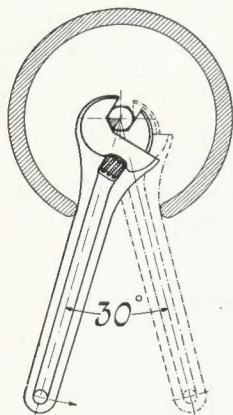
The ideal 15°
BAHCO
 Spanner



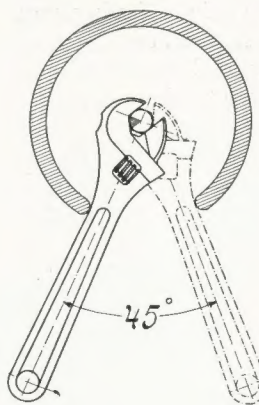
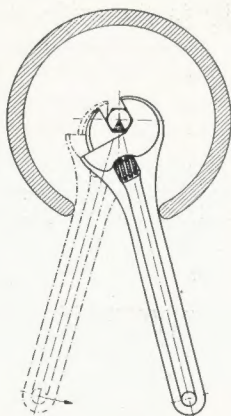
The
BAHCO
 TOOLS
 are all drop-forged
 from specially selected
 Swedish steel.

Number		70	70	71	72	73	74	75
Code-word		Vaban	Vaano	Vacex	Vacmu	Vadbe	Vaddi	Vadix
Span up to.....	inch.	$\frac{3}{4}$		1	$1\frac{3}{16}$	$1\frac{5}{16}$	$1\frac{11}{16}$	$2\frac{1}{16}$
Length.....	»	6	nickel	8	10	12	15	18
Weight, about	lbs	$\frac{3}{8}$		$\frac{5}{8}$	1	$1\frac{3}{8}$	$2\frac{3}{8}$	$3\frac{7}{8}$

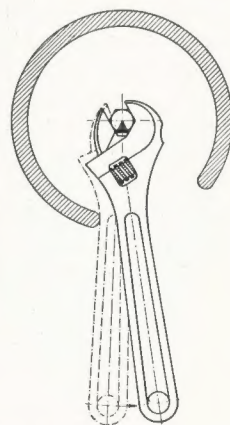
Illustrations showing the advantages of using a 15° BAHCO spanner
 in narrow places.



BAHCO 15° spanner.



Imitation. 22½° angle.



Many tool-people will say: Why bother about names; why BAHCO instead of any other spanner? They are all alike—iron is iron! etc.

But he who reads the following description of the technical details of a BAHCO spanner will be able to tackle the

Why?



To begin with the **handle**—the first thing you feel when you take a BAHCO spanner—it is made of an I section, which gives the greatest possible



strength in proportion to the weight. Furthermore, the spanner retains this section all the way up to the set screw, an arrangement (also patented) that enables the operator's thumb to obtain a greater purchase against the adjusting screw, which consequently can be turned more easily. (Fig. 1).

The **adjustable jaw** is constructed in the form of a slide running in a groove or

guide in the fixed spanner-end. The shape of this slide is still the same as that used in 1892. This is a detail of the original BAHCO which all imitators have done their best to copy—a striking testimony of the value of this construction. (Fig. 1).

The **slide** of the BAHCO spanner runs easily in the guide, but without any play. To obtain this valuable feature, on which depends the durability of the tool, the BAHCO spanner has been constructed with the same care and exactness as, for instance, a drilling, or a milling machine. This care in the manufacture of the jaws has placed the spanner far ahead of all competitors. Most of these have

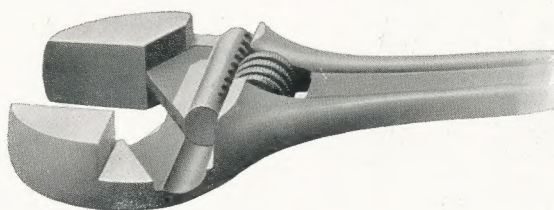


Fig. 1.

a considerable amount of play in the jaws both sideways and up and down; a BAHCO spanner has no play. The figure below — on which you should note the blurred fingers — shows the amount of movement in the jaws of a competitive spanner. (Fig. 2). Tested in the same way, the BAHCO spanner showed an absolutely sharp outline, as is seen here (Fig. 3).

The **material**, however, is perhaps the most striking evidence of the Swedish spanner. No

kind of steel that is suitable for making adjustable spanners, and it is

our 35 years' experience

in the manufacture of the BAHCO spanner that has enabled us to produce a special alloy of the very highest grade. Here below we reproduce a section of the bar-steel of the kind employed for the BAHCO spanner. (Fig. 4).

The extremely fine fracture surface gives evidence that we have here a steel possessing the qualities necessary — *strength and tenacity*.

A fracture of a BAHCO spanner (Fig. 5) shows much a finer grain than does that of another competitive one (Fig. 6) — the best among the imitations.

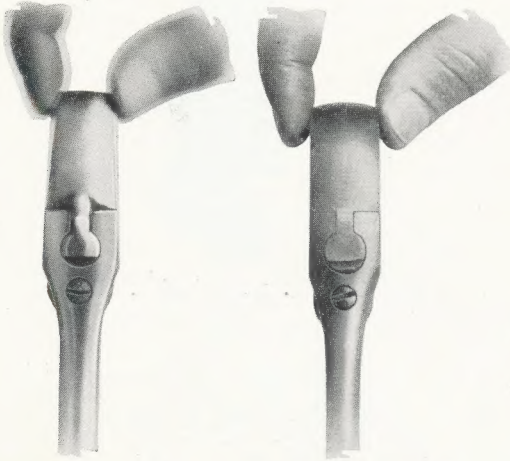


Fig. 2. Imitation. —
Slack jaw and backlash!

Fig. 3. BAHCO
spanner. — No slackness!

one disputes the fact that Swedish steel is superior to any other steel in strength, tenacity and reliability. But even the best steel demands careful and skilful manipulation. It is not every



Fig. 5. Fracture of a
BAHCO spanner.

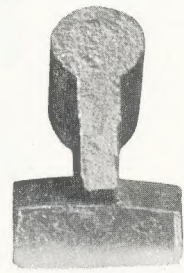


Fig. 6. Fracture of a
competitive spanner.

Finally, there was obtained, on testing with the Brinell's Hardness Tester, a result which undoubtedly demonstrates the superiority of the BAHCO spanner.

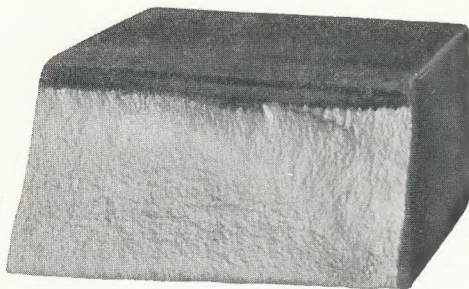


Fig. 4.

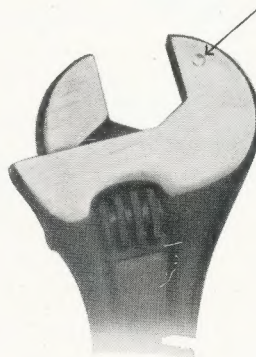


Fig. 7. BAHCO spanner.

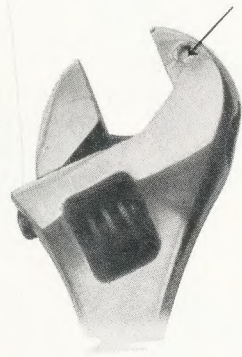


Fig. 8. Imitation.

The application of a 10-mm Brinell-ball on a BAHCO spanner, at a pressure of 3,000 kgs (about 6,600 lbs) resulted in a shallow and extremely even spherical impression without any sign of fracture (Fig. 7). The competitive spanner proved to be hard only at the outermost surface; the ball sank deeply in, and, as shown in Fig. 8, gave rise to both concentric and radial fissures,

the radial cracks, in some instances, going right across the whole breadth of the jaw.

With Brinell's test on the inner side of the jaws, the BAHCO spanner (Fig. 9) showed only an extremely slight impression, while the same phenomena as those just mentioned were again displayed on the other spanner (Fig. 10).

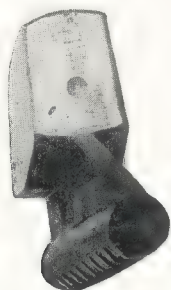


Fig. 9. BAHCO spanner.



Fig. 10. Imitation.

*This will be the answer to a question
"why BAHCO?"*

BAHCO is preferable to every other spanner because it is made of the best material obtainable, and because it is made with the finest workmanship and accuracy possible.



BAHCO ADJUSTABLE SPANNERS.

"ORIGINAL" SWEDISH MAKE. PATENTED.

Drop-forged from specially selected Swedish steel.

BAHCO No. **69** (formerly called No. 29) is a little handy spanner, intended for sewing and knitting machines, cycles, motor cycles, etc. Can easily be carried in the pocket. Delivered either black with bright jaws, or all-nickeled.

BAHCO No. **10** (formerly called No. 30) and No. **11** are similar to No. 69, as to the shape of the jaw-opening, but somewhat larger and provided with tyre lever end. Intended for cycles, motor cycles, autos, etc. No. 10 is delivered either black with bright jaws, or all-nickeled.

Number	69	10	11
Code-word { Black ..	Vaulm	Vausk	Vaupo
{ Nickeled	Vaume	Vaudd	—
Span up to inch.	1/2	3/4	1
Length »	4	6	8
Weight, about lbs	1/8	1/4	1/2

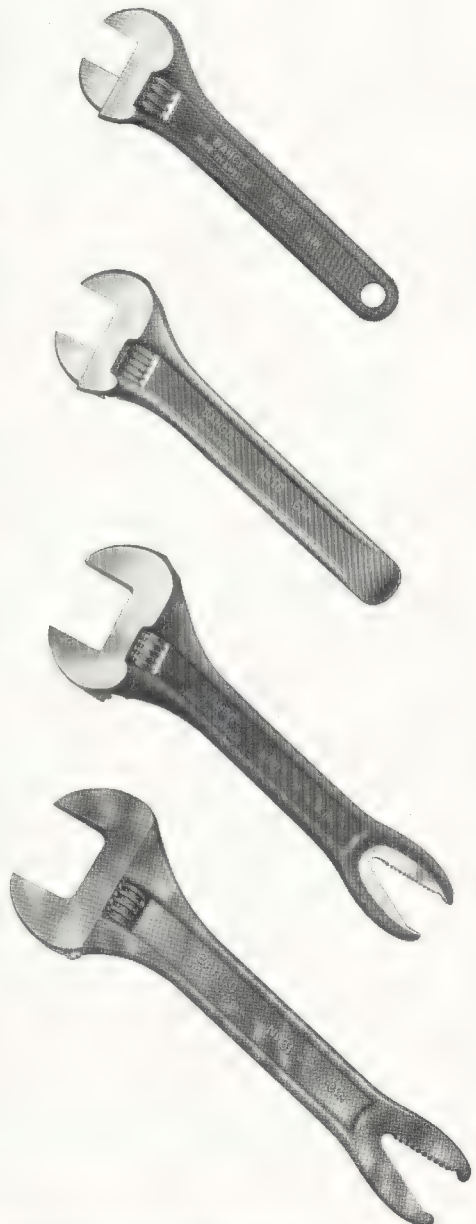
BAHCO Nos. **20**, **21** and **31** are intended for motor cycles, autos, flying machines, motor boats, etc. Non-adjustable jaws will grip spark plug nuts, pipes, nuts worn at angles, etc. Nos. 21 and 31 will suit all dimensions of spark plugs.

BAHCO No. **31** is hardened all over by a special method. Has extra narrow jaws for close quarter work.

Number	20	21	31
Code-word	Vaunf	Vauox	Vauto
Span (adjustable) up to inch.	3/4	1 1/8	1 1/8
» (non ») » »	1/2	5/8	5/8
Length »	6	8	8
Weight, about lbs	5/16	5/8	9/16

Each spanner is supplied well oiled and wrapped in waxed paper and packed in a strong cardboard box.

For standard packing see page 25.



BAHCO DOUBLE-ENDED ADJUSTABLE SPANNERS.

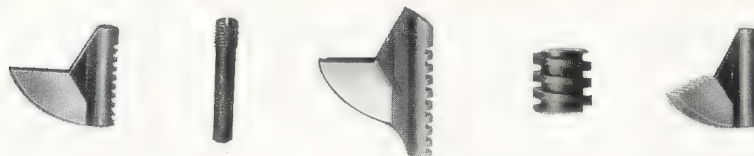


"ORIGINAL" SWEDISH MAKE. PATENTED.
Drop-forged from specially selected Swedish steel.

*O*UR new double-enders entered the market only a very short time ago, but even in that short time they have become popular, and are now in steadily increasing demand. They are made throughout of the same first class material as our other spanners and are easily and quickly adjusted, so that they will serve very well both for the occasion and in the long run.

The combination reproduced here above comprises the Nos. 70—73 in three consecutive sizes, but we have also a combination (No. 9/10) which derives from the single types No. 69 and 10. This combination, consequently, has the square form jaw-opening, while the 70—73 combinations have the shape shown above.

Number	9/10	70/71	71/72	72/73
Code-word	Veumc	Veuoj	Veupz	Veuyu
Span, up to, resp. inch.	$\frac{1}{2}$; $\frac{3}{4}$	$\frac{3}{4}$; 1	1; $1\frac{3}{16}$	$1\frac{3}{16}$; $1\frac{5}{16}$
Length "	6	8	10	12
Weight, about lbs	$\frac{5}{16}$	$\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{5}{8}$



Repair parts for BAHCO ADJUSTABLE SPANNERS.

(Movable jaws, knurls and pins, for every size of spanner, on application.)

— Handy as a hand —
but stronger.

THE BAHCO PIPE WRENCHES

The description of the material, on page 9, holds good for all the BAHCO tools, i. e., for the BAHCO pipe wrenches, too. They are high grade tools, handy in use, quickly and easily adjusted and reliable in every respect.

We will confine the report about their first class selling features to a short description of some specially striking advantages in one of them, — the all steel single handle pipe wrench of the pattern reproduced here below.

BAHCO SINGLE HANDLE PIPE WRENCHES.

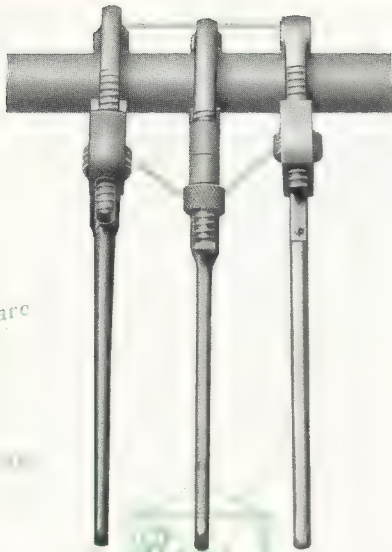
Patented. Drop-forged from specially selected Swedish steel.



Nos. 111—114.

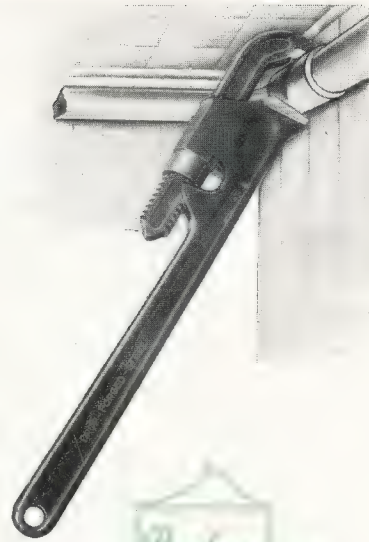
Number		111	112	113	114
Code-word		Vauja	Vaxil	Vayso	Vazen
Length	inch.	8	10	14	18
Takes pipe and socket up to	»	$\frac{1}{8}$ — $\frac{3}{4}$	$\frac{1}{8}$ —1	$\frac{1}{4}$ — $1\frac{1}{2}$	$\frac{1}{4}$ —2
Weight, about	lbs	$\frac{13}{16}$	$1\frac{1}{4}$	$2\frac{1}{4}$	$3\frac{1}{2}$

Compare
height
and
width
of
wren



A photographic comparison showing BACHO in the centre and two similar wrenches at the sides.

This actual photograph of the BAHCO wrench and two others clearly demonstrates that, in a narrow space, the BAHCO — owing to its ingenious construction — can be conveniently used *where no other similar wrench will operate.*



Just try to manipulate any other wrench than BAHCO in such a narrow space. *You will find you cannot!*

In the BAHCO wrench, the *nut* is of smaller dimensions and placed at a greater distance from the jaws than usual. But being quite free, it is easier to turn and adjust and, further, the nut does not get in the way when working in a narrow space.

12 Vital points

of the BAHCO WRENCH — which ought to be kept in mind.

1. Drop forged in one piece of the strongest and toughest Swedish "analysis" steel.
2. The shape follows the form of the tube, so that there is no projecting hump to obstruct. — Compare other makes!
3. No loose parts that can become detached or loosen. The material is the finest in the world for the purpose.
4. The frame and handle is one solid piece. No joint; no riveting; no welding. The walls are made *thin* but strong. Long sleeve resists severe lateral stresses.
5. Long and well-adjusted gliding surface for pressure. The pressure-centre is scientifically at the right spot.
6. Socket has no joints or welds.
7. Only one *spiral* spring, well protected, — instead of the usual flat springs which wear slack or loose.
8. Nuts of steel. Small diameter; *never in the way*. Get-at-able all round. Lie deep. Convenient for adjusting.
9. Thumb-grip to open the wrench.
10. The handle is drop-forged in I-section. Combines the greatest power with the least weight.
11. Light, strong, practical. The wrench can be easily taken to pieces by hand — thus every part is easily replaceable.
12. Hole in the handle for hanging the tool — always at hand.

BAHCO UNIVERSAL PIPE WRENCHES.

"ORIGINAL" SWEDISH MAKE.

Drop-forged from specially selected Swedish steel.

The BAHCO pipe-wrenches have gained the highest opinion of experts and users because of their unsurpassed quality and are recognized as being first class tools not only on account of their practical usefulness, but also on account of the excellent way in which they are made. *With one hand they can be easily and quickly adjusted to different sizes of pipe.*

Their usefulness, however, is by no means limited to pipe fitting work only: they can be highly recommended as unrivalled tools for drawing keys, headless nails and pins, for turning bolts and axles, for wrenching nuts worn at edges, etc.

Nos. 90—95:

Number.....	90	91	92	93	94	95
Code-word	Valyx	Vamur	Vango	Vaogi	Vapnu	Varek
Length inch.	9	12	17	23	27	32
Takes pipe and socket up to .. "	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3
Weight, about .. lbs	$\frac{13}{16}$	$1\frac{7}{16}$	3	$5\frac{5}{8}$	$7\frac{1}{2}$	$11\frac{1}{4}$

Nos. 142—147:

Number.....	142	143	144	145	146	147
Code-word	Varut	Vasem	Vatfo	Vauhs	Vavbu	Vawum
Length inch.	16	20	24	30	36	37
Takes pipe and socket up to .. "	1	$1\frac{1}{2}$	2	3	4	5
Weight, about .. lbs	$2\frac{7}{8}$	$4\frac{9}{16}$	$6\frac{1}{2}$	$10\frac{1}{8}$	$14\frac{7}{8}$	$15\frac{5}{8}$

Nos. 90—95

Nos. 142—145

REPAIR PARTS.

For Nos. 90—95 } inner and outer shank; sleeve with rivet;
 » » 142—147 } nut; washers with rivet.
 » » 111—114: jaw; sleeve; nut.

Each pipe wrench is supplied well oiled and wrapped in strong paper; sizes 90—92 and 111—114, in addition, packed in cardboard boxes.

BAHCO ADJUSTABLE PIPE WRENCHES. Nos. 131—134.

"ORIGINAL" SWEDISH MAKE. PATENTED.

Made of specially selected Swedish steel.

This type of wrench is of a perfectly new design and throughout practical, strong and durable. It is chiefly intended for all-round jobs and not directly for professional pipe-fitting work, where our larger wrenches may be more suitable. In short, this is the wrench for the motorist, the farmer, the artisan and the "everybody" — a little handy, strong and reliable tool for every occasion when a rounded thing of any kind is to be wrenched.

In spite of the low price the wrench is of the same high-grade quality as every other Bahco tool. Some short points ought to be mentioned as special features.

1. The whole wrench is of the very best Swedish steel, specially selected for every part of the tool.
2. Inner shank is drop forged and hardened all over and therefore strong, light and handy.
3. Broad, hardened teeth of outer shank give steady grip.
4. No outstanding nut or rivet. The wrench is thin: an excellent feature when, as here, it is combined with strength and steadiness.
5. Adjustment quickly and easily made: you only open the grip and then pass outer shank to the convenient distance, where you press it down over the suitable ridge of the inner shank, and the fresh grip is ready!
6. No loose parts — nothing to lose.
7. Turning centre placed at the ideal point and wrench therefore extremely effective.
8. Inner shank provided with hardened screwdriver end.

Number.....	131	132	133	134
Code-word	Vakbo	Vakda	Vakib	Vakyz
Length	6	7	9	12
Grip	1 ¹ / ₄	1 ¹ / ₂	2 ¹ / ₂	3
Weight, about	8/16	1 ¹ / ₂	15/16	1 ¹³ / ₁₆

Each pipe wrench is supplied well oiled and wrapped in waxed paper and packed in a cardboard box.

BAHCO ADJUSTABLE PIPE WRENCHES. Nos. 100—105.

"ORIGINAL" SWEDISH MAKE. PATENTED.

Drop-forged from specially selected Swedish steel.

These wrenches are suitable for small pipe-fitting jobs and non-professional wrenching in general. They can also be used as a spanner. For repair parts see page 12.

Number	100	101	102	103	104	105
Code-word . .	Vafdo	Vafes	Vafgu	Vafix	Vafki	Vafna
Length . . inch.	6	8	10	12	15	18
Takes pipe and socket up to "	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{3}{4}$
Weight, about lbs	$\frac{1}{8}$	$\frac{9}{16}$	$\frac{15}{16}$	$1\frac{3}{8}$	$2\frac{1}{8}$	$3\frac{1}{2}$

Each spanner supplied well oiled and wrapped in strong paper.

BAHCO NON-ADJUSTABLE SPANNER.

No. 98.

"ORIGINAL" SWEDISH MAKE.

Drop-forged. Specially hardened.

Farmers, cartwrights, repairers, pipe fitters, etc., will find this tool very valuable and useful. Spanner will grip the most usual dimensions of pipes and round iron, screws and nuts, etc. The jaws are very thin, which makes the spanner extremely convenient for narrow spaces.

Number	98
Code-word	Vahuk
Length inch.	$10\frac{5}{8}$
Width of grip "	$\frac{1}{2}$ — $1\frac{5}{16}$ & $\frac{3}{4}$ — $1\frac{3}{8}$
Thickness "	$\frac{11}{32}$
Weight, about lbs	$1\frac{1}{4}$

Spanner supplied well oiled and packed in cardboard boxes of six each.

BAHCO AUTO, CONE OR LIGHT GAS-FITTER'S PLIER. Nos. 129 A—129 D.

"ORIGINAL" SWEDISH MAKE. DROP-FORGED.

Plier is very thin and specially suitable for the many different repairing and fitting jobs in connection with modern motorism. It should never be missing in the auto kit or in the home tool-box.

Plier is supplied in four types of finish, the same as for the "inner qualities", but differing in outer appearance.

No. 129 A. Black without awl and screwdriver.

No. 129 B. " with " " " "

No. 129 C. " " " " and bright jaws.

No. 129 D. Bright all over, with awl and screwdriver.

Number	129 A	129 B	129 C	129 D
Code-word	Vaiji	Vaino	Vaire	Vaiwa
Length inch.	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$
Weight, about lbs	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$

Supplied well oiled and packed in cardboard boxes of 12 each.

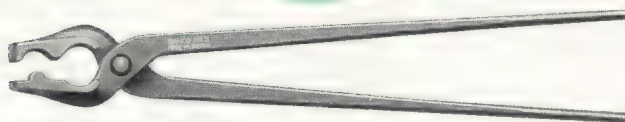


Novelty

Allround Grip



Smith's Tongs



BAHCO SMITH'S TONGS. Nos. 1-3.

These tongs are of a perfectly new design and throughout practical, strong and durable. On account of the smart shape of the jaws the BAHCO tongs will hold pieces of almost any form — and hold them securely.

A SINGLE SET OF BAHCO SMITH'S TONGS CAN EFFECTIVELY REPLACE ALL OTHER TONGS IN A FORGE.

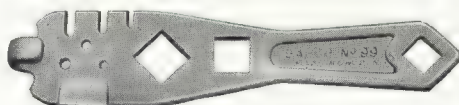
Number	1	2	3
Code-word	Vecju	Vecjy	Vecmo
Holds round and square iron inch.	$\frac{1}{8}-\frac{5}{8}$	$\frac{1}{4}-\frac{3}{4}$	$\frac{3}{8}-1$
» flat iron	up to $\frac{1}{4}$	$\frac{1}{8}-\frac{3}{8}$	$\frac{1}{4}-\frac{5}{8}$
Length	$17\frac{3}{4}$	$19\frac{3}{4}$	$21\frac{5}{8}$
Thickness of shanks	$\frac{3}{8}$	$\frac{13}{32}$	$\frac{7}{16}$
Weight, about	1 $\frac{1}{2}$	2 $\frac{1}{4}$	3

Tongs are supplied well oiled and wrapped in strong paper.

BAHCO FARMER'S COMBINATION WRENCH. No. 99.

“Original” Swedish Make. Drop-forged from specially selected Swedish steel.

“The Ranch Wrench”



A combination of a solid non-adjustable spanner and a tool for wire-fencing work. Provided with three square holes for different sizes of nuts and devices for cutting, stretching and joining wire for fencing. A real universal tool for farmers.

Number	99
Code-word	Vetad
Length	inch. 8
Size of round holes and slots	$\frac{1}{8}$, $\frac{3}{16}$ & $\frac{1}{4}$
» » square	$\frac{1}{2}$, $\frac{5}{8}$ & $\frac{3}{4}$
Weight, about	lbs $\frac{1}{2}$

Supplied well oiled and packed in cardboard boxes of six each.

Novelty

THE ROLLER CROW-BAR BAHCO No. 298.

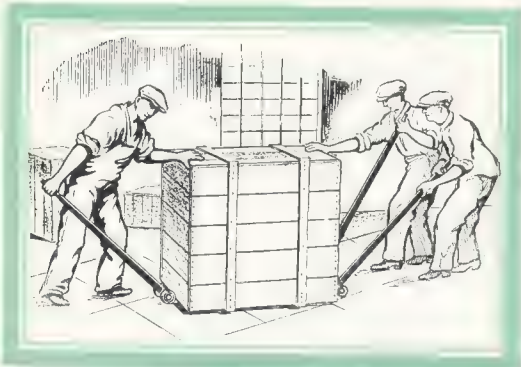
For shifting and transporting heavy goods.

Indispensable in workshops, machine-shops, warehouses, stores and goods-yards, railway stores, custom warehouses, on ships, etc.

Advantages in using the BAHCO Crow-Bar:

- 1:o *A saving of time and hands.* No time lost in looking for pipes or rollers.
- 2:o *The goods are moved easily and conveniently,* as compared with the slow, cumbersome pushing with the old bars and rollers.
- 3:o *The load does not slip off the BAHCO Crow-Bar* on being lifted, accidents and breakages thus being avoided.
- 4:o *One man can lift the maximum load.*

*Combined
Lifting and
Transporting
Appliance.*



A simple and convenient way of moving the heaviest loads by using the Roller Crow-Bar BAHCO.

LIFTING CAPACITY
3 TONS

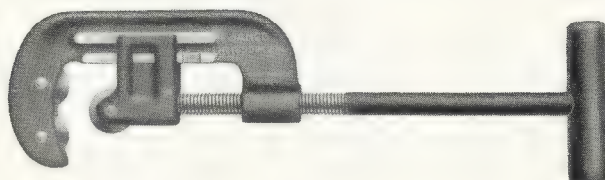
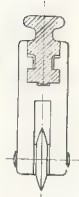
*The Roller Crow-Bar BAHCO
is forged entirely of Swedish steel.*

Number	298
Code-word	Vecyr
Total length.....inch.	55
Lifting capacity .. tons	3
Weight, about.... lbs	27



The old, expensive and time-wasting method with the ordinary crow-bar, rollers and many hands.

BAHCO PIPE CUTTERS Nos. 184—186.



"ORIGINAL" SWEDISH MAKE.

Drop-forged from specially selected Swedish steel.

The BAHCO pipe cutters are made entirely of the very best Swedish steel and well proportioned which makes them stronger and more durable than pipe cutters of other makes. The BAHCO pipe cutters Nos. 184—186 are of very simple construction and of a relatively small weight. Made of high-grade material all through, they are superior to all other pipe cutters of similar type, which latter are usually made of cast iron. They have reliable guidance for the cutting wheels, so that the pipes are cut off accurately at right angles.

The BAHCO pipe cutters are

SIMPLE

STRONG

CAREFULLY MADE

WELL FITTED

EFFECTIVE

CHEAP.

Number	184	185	186
Code-word	Vecdu	Vecem	Vecfa
For pipes, inside diameter..... inch.	$\frac{1}{8}$ —1	$\frac{1}{4}$ —2	$\frac{3}{8}$ —3
Weight, about	2 $\frac{1}{4}$	4 $\frac{3}{8}$	7

Each pipe cutter is supplied well oiled and wrapped in waxed paper and packed in a strong cardboard box. Repair parts see opposite page.

Every BAHCO tool
is warranted
for a life-time.

BAHCO PIPE CUTTERS.

"ORIGINAL" SWEDISH MAKE.

Drop-forged entirely of specially selected Swedish steel.

These BAHCO Pipe Cutters have a reliable guidance for the cutting wheel, so that the pipes are cut off accurately at right angles.

The shaft is drilled through, both at middle and end, so that the placing of the pin can be changed according to wish (see illustr.).

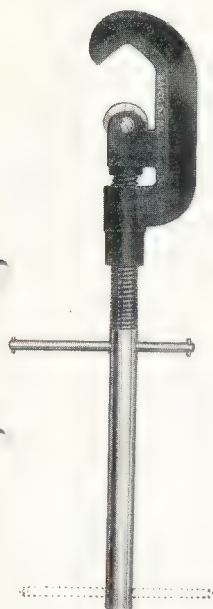
The BAHCO Nos. 181—183 have the screw uncovered and are provided with one cutting wheel only.

The BAHCO Nos. 194—196 have three cutting wheels and the screw perfectly covered, the screw thus being protected from injury.

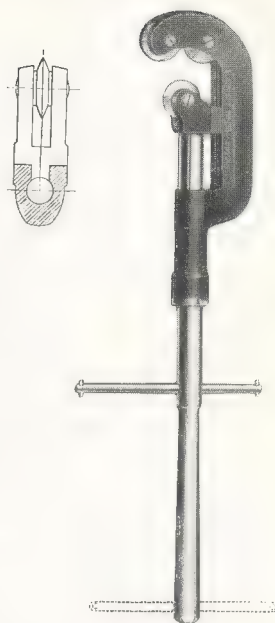
Two of the cutting wheels can be easily replaced by rollers, the use of which has the advantage of causing the pipe to be cut off accurately at right angles and of pressing down the rough edge, so that the pipe is ready to be threaded immediately after cutting, without previous filing.

With three cutting wheels the pipe cutter can be advantageously used in close quarters, because it is then unnecessary to twist the handle around the pipe.

N. B. Unless otherwise specially ordered, the Nos. 194—196 are always supplied with 3 wheels and 2 rollers.



Nos. 181—183.

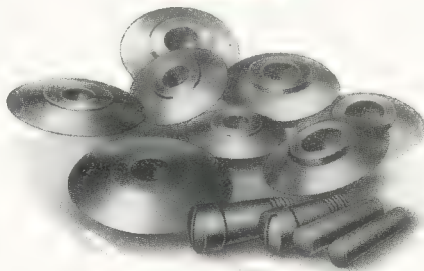


Nos. 194—196.

Number	181	182	183	194	195	196
Code-word . .	Veaqa	Vebur	Vecco	Vedul	Veebu	Vefco
For pipes, inside diam. . . inch.	$\frac{1}{8}$ —1	$\frac{1}{4}$ —2	$\frac{3}{8}$ —3	$\frac{1}{8}$ —1	$\frac{1}{4}$ —2	$\frac{3}{8}$ —3
Weight, about lbs	$3\frac{5}{16}$	$5\frac{1}{4}$	8	$3\frac{1}{2}$	$5\frac{3}{4}$	$8\frac{3}{8}$

Pipe-cutters Nos. 194—196 can also be supplied with 1 wheel and 2 rollers (code-words: Vesyl, Vetur, Vetpa, resp.) or with 3 wheels only (code-words: Vetri, Vetsu, Vette, resp.). (Compare price-list).

Repair parts for
pipe-cutters
supplied on
application.



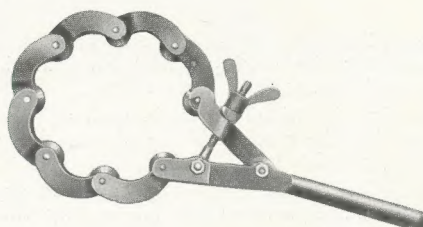
Cutting wheels
and rollers made
of the very best
steel.

Each pipe-cutter is supplied well oiled and wrapped in waxed paper and packed in a strong cardboard box.

BAHCO PIPE CUTTERS Nos. 202—214.

FOR CAST IRON MAIN PIPES.

"ORIGINAL"
SWEDISH
MAKE.



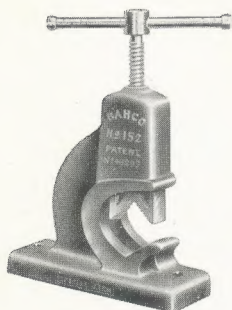
VERY STRONG
AND
DURABLE.

Number.....	202	203	204	206	212	213	214
Code-word	Vefen	Vefgi	Veflu	Vefmy	Vefod	Vefpa	Vefuk
Cuts pipes	2—4	2—5	2—6	2—8	5—10	5—11	5—13
Number of wheels	6	7	8	10	8	9	10
Weight, about.....lbs	11 ⁵ / ₈	12 ³ / ₄	14	16	25	27 ³ / ₄	29 ³ / ₄

These pipe cutters are all supplied well oiled and wrapped in strong paper.

BAHCO PIPE VICES.

"ORIGINAL" SWEDISH MAKE. PATENTED.

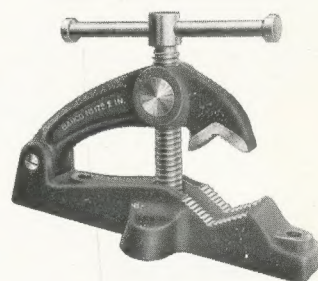


Nos. 152—154.



Very strong and durable and well proportioned.

The Nos. 152—154 are made of specially selected cast iron, with movable jaw drop-forged of steel, and milled and hardened teeth. The No. 172 is drop-forged of specially selected Swedish steel all through with accurately machine-cut screw.



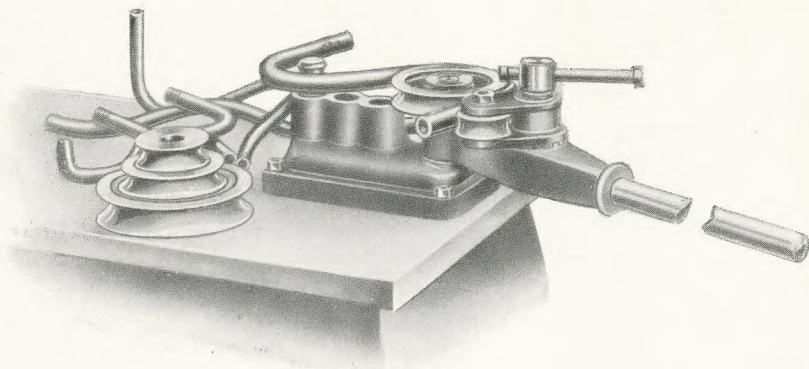
No. 172.

Indispensable in the work-shop

For the plumber's kit

Number.....	152	153	154	172
Code-word	Vegbu	Veger	Vegil	Vegax
For pipes..... inch.	1/4—2	1/4—3	1/4—4	1/8—2
Weight, about	31	48 ¹ / ₂	77	7 ¹ / ₂

BAHCO PIPE BENDING MACHINE No. 220.



This Pipe Bender is of a very practical construction and suitable for bending gas-, steam-, hot and cold water-pipes.

Pipes up to 1 inch internal diameter can quickly and conveniently be bent cold, without being previously filled, and without the slightest injury to the pipe.

The pipes can be bent in even or irregular shapes and the same pipe can be bent in several places and in different directions, thus making a great saving in expensive pipe fitting, as it does away to a great extent with the necessity of cutting and screwing pipes, and fitting couplings and knees, etc.

The machine can also be used for bending iron up to a diameter of one inch for concrete reinforcement.

The apparatus is light and takes but little space. It can be easily carried to the place of work. It is made throughout of the best material obtainable.

The bending rollers are chill-hardened and so constructed that pipes or rods of different dimensions can be bent on the same roller. They can be instantly exchanged, so that bends with different curve-radii can be made without loss of time. *On each roller are given the pipe-dimensions for which the roller is intended.*

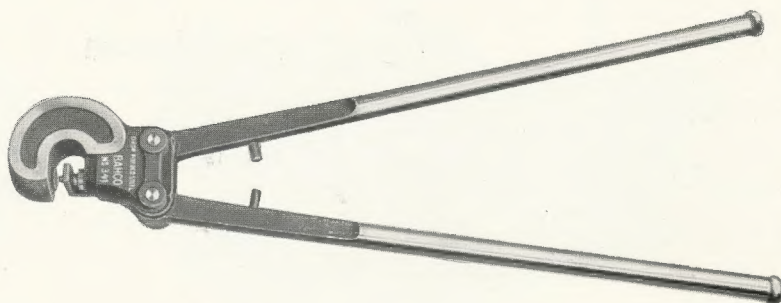
Special attention should be paid to the great ease and quickness with which the pipes can be bent in this machine, great saving in time and labour thus being obtained.

Each machine is supplied with 4 interchangeable rollers.

Diameter of groove..... inch.	$2\frac{3}{4}$	$4\frac{1}{8}$	$5\frac{1}{8}$	$6\frac{7}{16}$
For pipes with an internal diam. of »	$1\frac{1}{8}-1\frac{1}{2}$	$1\frac{1}{4}-1\frac{1}{2}$	$1\frac{1}{4}-\frac{3}{4}$	$1\frac{1}{4}-1$

Number	220
Code-word	Vehaz
For bending pipes with an internal diameter up to inch.	I
» » concrete reinforcing iron of diam. » » »	I
Weight of machine (with rollers), about	63 lbs

BAHCO HAND PUNCH No. 341.



"Original" Swedish Make. Drop-forged head.

This Hand Punch is made entirely of specially selected Swedish steel. The head is drop-forged.

It is simple, practical and easy to carry, and of the same high-grade quality as every other Bahco tool. It is especially adapted for punching holes in cisterns, small constructional iron-work, etc., and will be of greatest value in repair shops as well as in many other places.

Sets of repair parts for the Bahco Punch are always in stock, including body, arms, punch holder, releaser, stop-screws for punch and die, etc. All parts are quickly and easily exchanged. In consequence, the punch, once bought, is everlasting.

Each tool is supplied with punch and die for the largest diameter of hole that can be punched. Extra punches and dies on request.

Number	341
Code-word	Vello
Will punch holes diameter	inch. $\frac{5}{16}$
» » » in iron plates	$\frac{1}{4}$
Depth of gap	» $1\frac{3}{16}$
Height of gap	» $1\frac{3}{16}$
Length, about	» 31
Weight, about	lbs $15\frac{1}{2}$

1928



Bröderna Lagerström, Stockholm 1926